

Abstract

5 An interconnect for semiconductor components includes a
substrate, and interconnect contacts on the substrate for
electrically engaging component contacts on the components.
The interconnect contacts include silicon carbide conductive
layers, and conductors in electrical communication with the
silicon carbide conductive layers. The silicon carbide
10 conductive layers provides a wear resistant surface, and
improved heat transfer between the component contacts and the
interconnect contacts. The silicon carbide conductive layers
can comprise doped silicon carbide, or alternately thermally
oxidized silicon carbide. The interconnect can be configured
15 for use with a testing apparatus for testing discrete
components such as dice or chip scale packages, or
alternately for use with a testing apparatus for testing
wafer sized components, such as wafers, panels and boards.
In addition, the interconnect can be configured for
20 constructing semiconductor packages and electronic assemblies
such as multi chip modules.

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